

Decimal – Hexadecimal – Binary Conversion Chart for values 0 to 255

Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary
0	0	0	16	10	10000	32	20	100000	48	30	110000
1	1	1	17	11	10001	33	21	100001	49	31	110001
2	2	10	18	12	10010	34	22	100010	50	32	110010
3	3	11	19	13	10011	35	23	100011	51	33	110011
4	4	100	20	14	10100	36	24	100100	52	34	110100
5	5	101	21	15	10101	37	25	100101	53	35	110101
6	6	110	22	16	10110	38	26	100110	54	36	110110
7	7	111	23	17	10111	39	27	100111	55	37	110111
8	8	1000	24	18	11000	40	28	101000	56	38	111000
9	9	1001	25	19	11001	41	29	101001	57	39	111001
10	A	1010	26	1A	11010	42	2A	101010	58	3A	111010
11	B	1011	27	1B	11011	43	2B	101011	59	3B	111011
12	C	1100	28	1C	11100	44	2C	101100	60	3C	111100
13	D	1101	29	1D	11101	45	2D	101101	61	3D	111101
14	E	1110	30	1E	11110	46	2E	101110	62	3E	111110
15	F	1111	31	1F	11111	47	2F	101111	63	3F	111111
Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary
64	40	1000000	80	50	1010000	96	60	1100000	112	70	1110000
65	41	1000001	81	51	1010001	97	61	1100001	113	71	1110001
66	42	1000010	82	52	1010010	98	62	1100010	114	72	1110010
67	43	1000011	83	53	1010011	99	63	1100011	115	73	1110011
68	44	1000100	84	54	1010100	100	64	1100100	116	74	1110100
69	45	1000101	85	55	1010101	101	65	1100101	117	75	1110101
70	46	1000110	86	56	1010110	102	66	1100110	118	76	1110110
71	47	1000111	87	57	1010111	103	67	1100111	119	77	1110111
72	48	1001000	88	58	1011000	104	68	1101000	120	78	1111000
73	49	1001001	89	59	1011001	105	69	1101001	121	79	1111001
74	4A	1001010	90	5A	1011010	106	6A	1101010	122	7A	1111010
75	4B	1001011	91	5B	1011011	107	6B	1101011	123	7B	1111011
76	4C	1001100	92	5C	1011100	108	6C	1101100	124	7C	1111100
77	4D	1001101	93	5D	1011101	109	6D	1101101	125	7D	1111101
78	4E	1001110	94	5E	1011110	110	6E	1101110	126	7E	1111110
79	4F	1001111	95	5F	1011111	111	6F	1101111	127	7F	1111111
Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary
128	80	10000000	144	90	10010000	160	A0	10100000	176	B0	10110000
129	81	10000001	145	91	10010001	161	A1	10100001	177	B1	10110001
130	82	10000010	146	92	10010010	162	A2	10100010	178	B2	10110010
131	83	10000011	147	93	10010011	163	A3	10100011	179	B3	10110011
132	84	10000100	148	94	10010100	164	A4	10100100	180	B4	10110100
133	85	10000101	149	95	10010101	165	A5	10100101	181	B5	10110101
134	86	10000110	150	96	10010110	166	A6	10100110	182	B6	10110110
135	87	10000111	151	97	10010111	167	A7	10100111	183	B7	10110111
136	88	10001000	152	98	10011000	168	A8	10101000	184	B8	10111000
137	89	10001001	153	99	10011001	169	A9	10101001	185	B9	10111001
138	8A	10001010	154	9A	10011010	170	AA	10101010	186	BA	10111010
139	8B	10001011	155	9B	10011011	171	AB	10101011	187	BB	10111011
140	8C	10001100	156	9C	10011100	172	AC	10101100	188	BC	10111100
141	8D	10001101	157	9D	10011101	173	AD	10101101	189	BD	10111101
142	8E	10001110	158	9E	10011110	174	AE	10101110	190	BE	10111110
143	8F	10001111	159	9F	10011111	175	AF	10101111	191	BF	10111111
Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary	Decimal	Hex	Binary
192	C0	11000000	208	D0	11010000	224	E0	11100000	240	F0	11110000
193	C1	11000001	209	D1	11010001	225	E1	11100001	241	F1	11110001
194	C2	11000010	210	D2	11010010	226	E2	11100010	242	F2	11110010
195	C3	11000011	211	D3	11010011	227	E3	11100011	243	F3	11110011
196	C4	11000100	212	D4	11010100	228	E4	11100100	244	F4	11110100
197	C5	11000101	213	D5	11010101	229	E5	11100101	245	F5	11110101
198	C6	11000110	214	D6	11010110	230	E6	11100110	246	F6	11110110
199	C7	11000111	215	D7	11010111	231	E7	11100111	247	F7	11110111
200	C8	11001000	216	D8	11011000	232	E8	11101000	248	F8	11111000
201	C9	11001001	217	D9	11011001	233	E9	11101001	249	F9	11111001
202	CA	11001010	218	DA	11011010	234	EA	11101010	250	FA	11111010
203	CB	11001011	219	DB	11011011	235	EB	11101011	251	FB	11111011
204	CC	11001100	220	DC	11011100	236	EC	11101100	252	FC	11111100
205	CD	11001101	221	DD	11011101	237	ED	11101101	253	FD	11111101
206	CE	11001110	222	DE	11011110	238	EE	11101110	254	FE	11111110
207	CF	11001111	223	DF	11011111	239	EF	11101111	255	FF	11111111

10⁶

10⁵

10⁴

10³

10²

10¹

10⁰

1

0

0

1

0

0

1

1001001 = 1 x 10⁶ + 1 x 10³ + 1 x 10⁰

1001001 = 1,000,000 + 1,000 + 1

1001001 = 1,001,001

16¹

16⁰

Hexadecimal Notation:

A = 10

D = 13

B = 11

E = 14

C = 12

F = 15

2

A

2A = 2 x 16¹ + 10 x 16⁰

2A = 32 + 10

2A = 42

2⁷

2⁶

2⁵

2⁴

2³

2²

2¹

2⁰

0

1

0

0

1

0

0

1

01001001 = 1 x 2⁶ + 1 x 2³ + 1 x 2⁰

01001001 = 64 + 8 + 1

01001001 = 73

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